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重复 +G_z 暴露对兔腰椎间盘细胞外基质及基质金属蛋白酶 -1,3 表达的影响

(正文见第 138 ~ 142 页)

Effects of repeated +G_z exposure on the expression of main disc extracellular matrix and matrix metallo proteinases-1, 3 of rabbit's lumbar discs

(Original article on page 138 - 142)

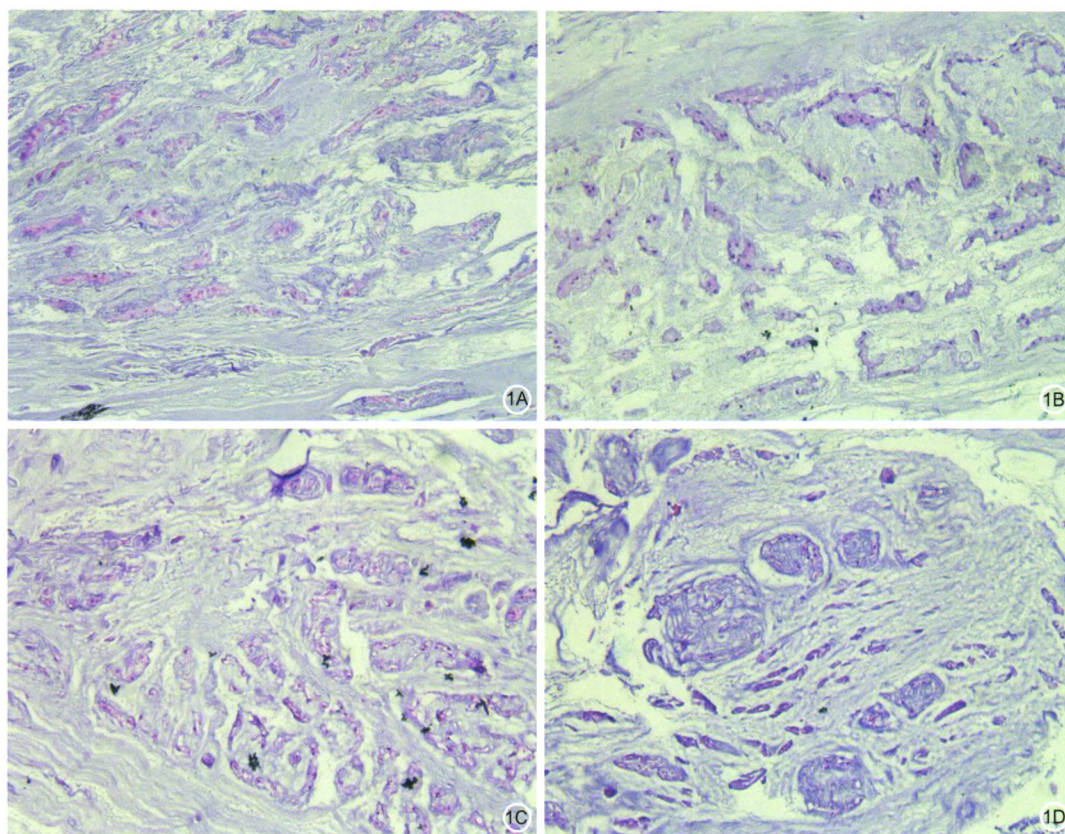


图 1 兔椎间盘病理学检查结果 (苏木精 - 伊红染色, ×200)

- 1A 对照组髓核细胞红染, 核饱满居中, 髓核和纤维环界限清晰, 纤维环完整
- 1B +G_z 4周组髓核细胞轻度皱缩, 核轻度边聚, 髓核和纤维环界限清晰, 纤维环完整
- 1C +G_z 8周组髓核细胞小, 细胞减少, 核部分缺如, 髓核和内层纤维环部分界限欠清晰, 纤维环部分内陷
- 1D +G_z 12周组髓核细胞明显变小, 数量明显减少, 细胞核皱缩, 髓核和内层纤维环部分界限模糊, 纤维环内陷

Fig1 Histopathological examination results of rabbit's lumbar disc(hematoxylin-eosin staining, ×200)

- 1A Both the nucleus pulposus(NP) cells and the nucleus were normal in the control group. The border between the annulus fibrosus(AF) and NP was distinct and the AF was intact
- 1B In +G_z 4-week group, the NP cells were slightly shrunk, and the nucleus began to gather by one side slightly. The border between the AF and NP was distinct and the AF was intact
- 1C In +G_z 8-week group, the NP cells became small and less. Some nucleus disappeared. The border between the AF and NP became indistinct and the inner AF was partly recessed to the NP
- 1D In +G_z 12-week group, the NP cells became less and the nucleus gather to one side more seriously. The border between the AF and NP became more indistinct and the inner AF was recessed to the NP